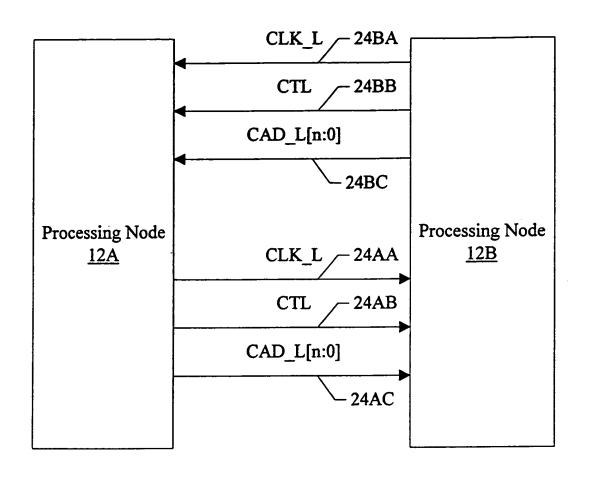


4.1

Fig. 1



<u>Fig. 2</u>

Bit Time	7	6	5	4	3	2	1	0
1					CME	[5:0]		
2								
3								
4								

<u>Fig. 3</u>

Bit Time	7	6	5	4	3	2	1	0	
1	Srcl	Unit :0]			CME	[5:0]			
2	DestNode[2:0]		i	tUnit :0] SrcNode[2:0]			2:0]		
3					SrcTag[4:0]				
4									
5		Addr[15:8]							
6		Addr[23:16]							
7		Addr[31:24]							
8		Addr[39:32]							

<u>Fig. 4</u>

Bit Time	7	6	5	4	3	2	1	0	
1	SrcUnit [1:0]			CMD[5:0]					
2	DestNode[2:0]				Unit :0]	SrcNode[2:0]			
3				SrcTag[4:0]					
4	Sh				•				

Fig. 5

Bit Time	7	6	5	4	3	2	1	0
1		_		Data	[7:0]			
2		Data[15:8]						
3			,	Data[2	23:16]			
4		Data[31:24]						
5		Data[39:32]						
6		Data[47:40]						
7		Data[55:48]						
8		Data[63:56]						

Fig. 6

CMD Code	<u>VChan</u>	Command	Packet Type
000000	-	Nop	Info
000001	NPC	VicBlk	Command/Data
000010		Reserved	
000011	NPC	ValidateBlk	Command
000100	NPC	RdBlk	Command
000101	NPC	RdBlkS	Command
. 000110	NPC	RdBlkMod	Command
000111	NPC	ChangetoDirty	Command
x01xxx	NPC or PC	WrSized	Command/Data
01xxxx	NPC	ReadSized	Command
100xxx		Reserved	
110000	R	RdResponse	Response/Data
110001	R	ProbeResp	Response
110010	R	TgtStart	Response
110011	R	TgtDone	Response
110100	R	SrcDone	Response
110101	R	MemCancel	Response
11011x		Reserved	
11100x	P	Probe	Command
111010	P	Broadcast	Command
111011		Reserved	
11110x		Reserved	
111110		Reserved	
111111	_	Sync	Info

Fig. 7

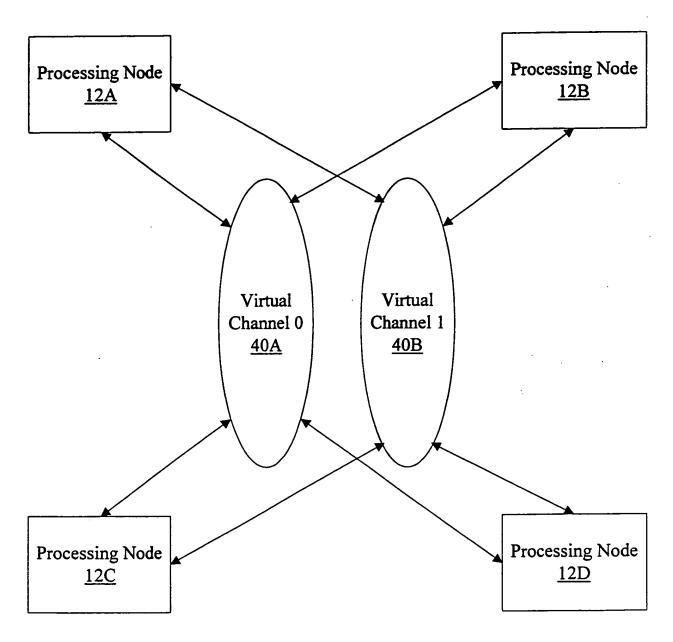


Fig. 8

Virtual Channels

Virtual Channel	Applicable Links
Posted Commands	Coherent and NonCoherent
Non-Posted Commands	Coherent and NonCoherent
Responses	Coherent and NonCoherent
Probes	Coherent Only

<u>Fig. 9</u>

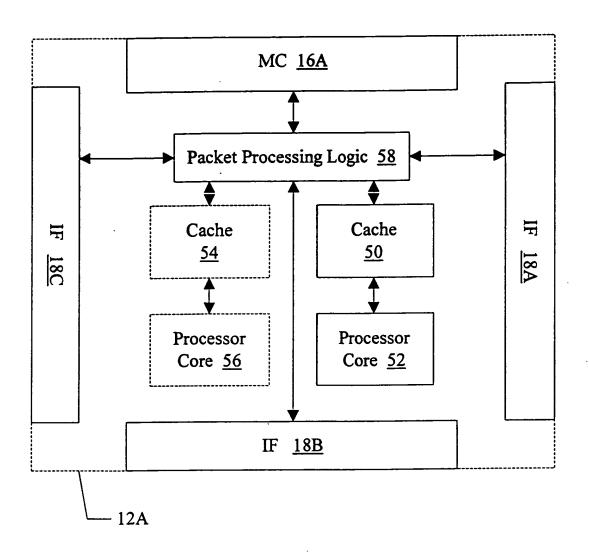
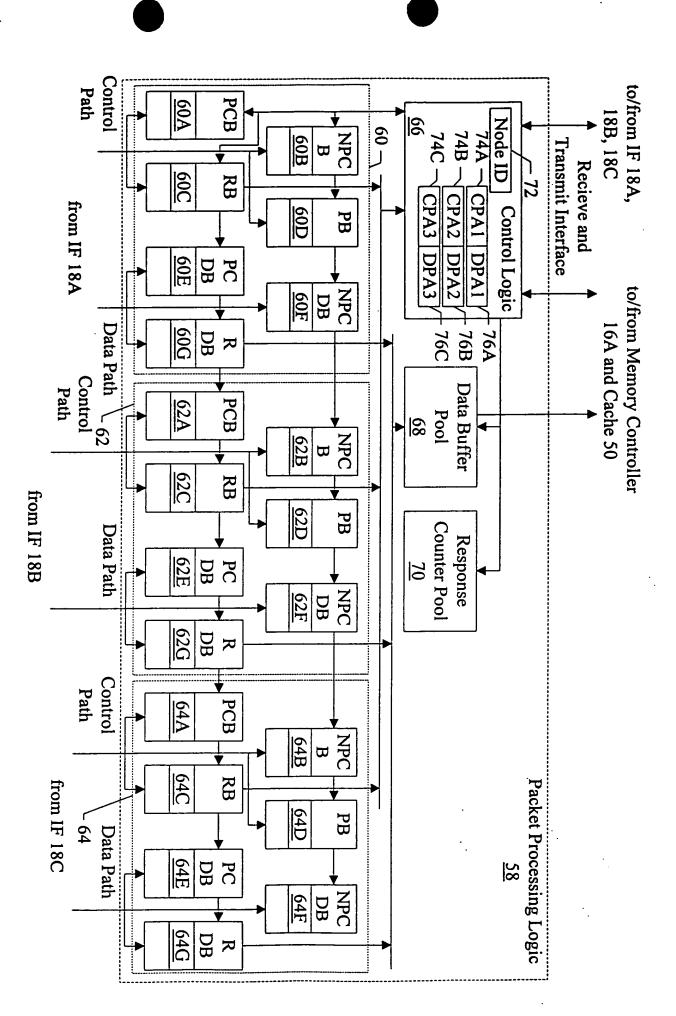


Fig. 10



<u>Fig. 11</u>

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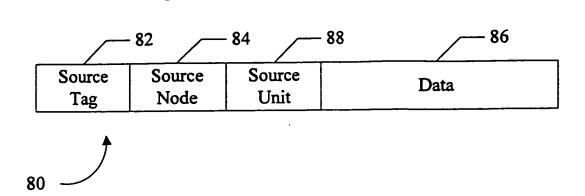


Fig. 12

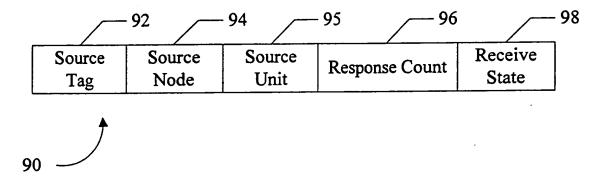


Fig. 13

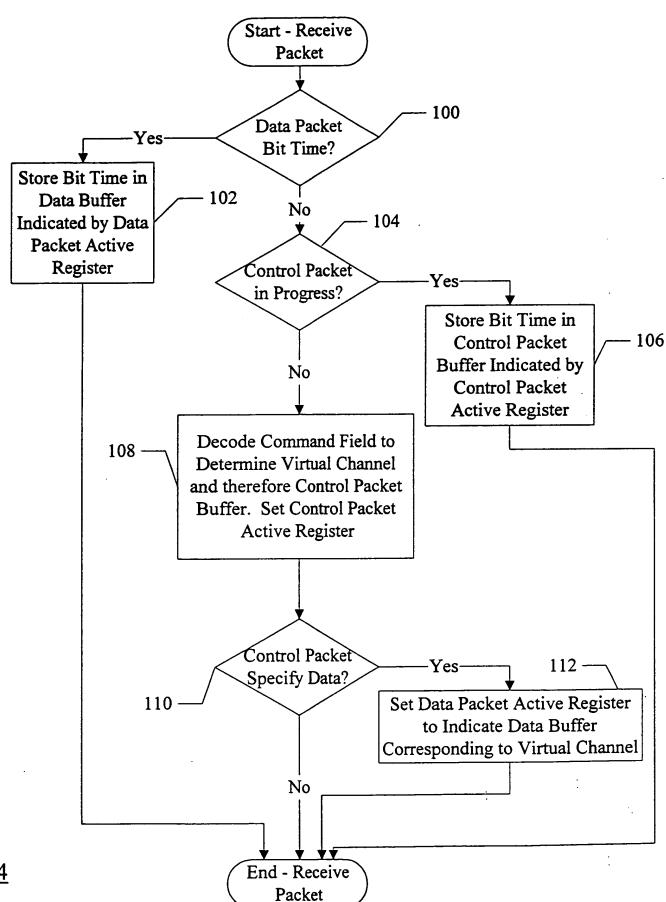


Fig. 14

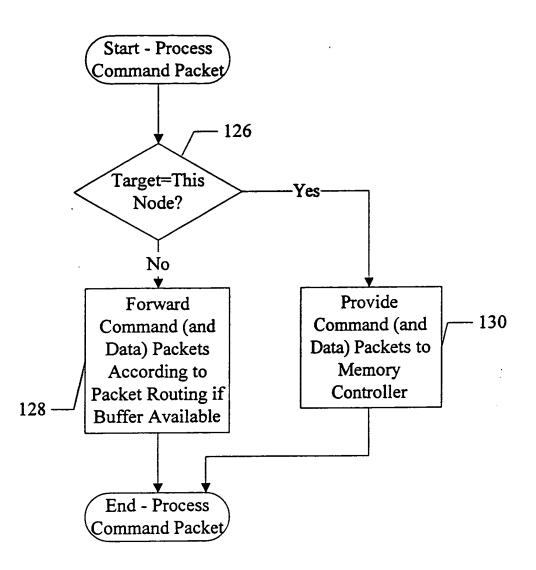


Fig. 15

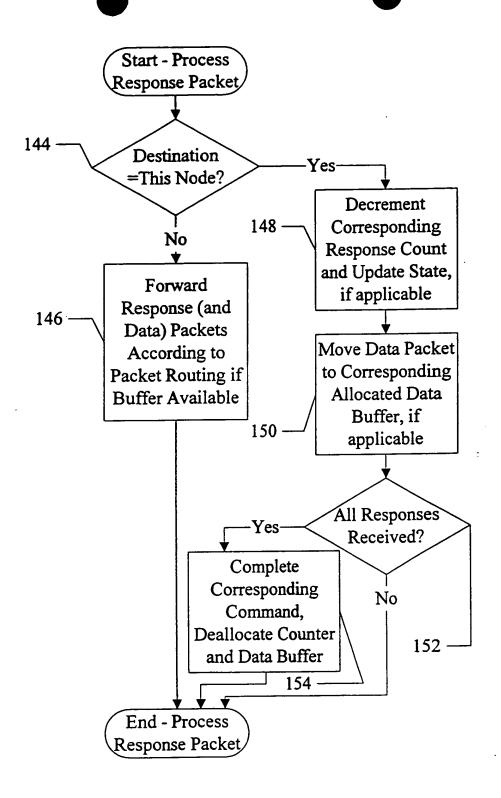


Fig. 16

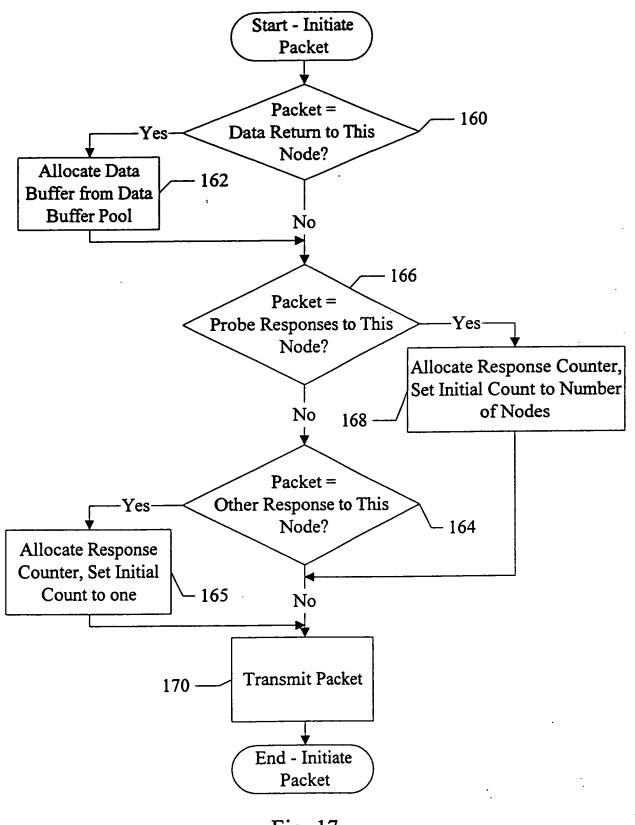
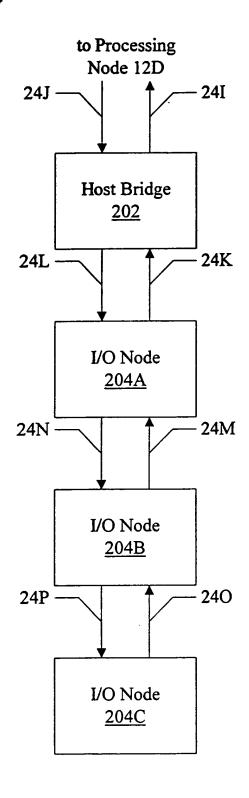


Fig. 17

•									
Bit Time	7	6	5	4	3	2	1	0	
1	R.S	SV			CMD[5:0]				
2	RespData [1:0]		Resp	onse :0]	PostCmd Data[1:0]		PostCmd [1:0]		
3	RSV		Pro [1	obe :0]	NonPost Data[1:0]		NonPost Cmd[1:0]		
4	RSV								

Fig. 18



200

Fig. 19

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CMD Code	<u>VChan</u>	Command	Packet Type
000000	-	Nop	Info
000001		Reserved	
000010	NPC	Flush	Command
000011		Reserved	
0001xx		Reserved	
x01xxx	NPC or PC	WrSized	Command/Data
01xxxx	NPC	ReadSized	Command
100xxx		Reserved	
110000	R	RdResponse	Response/Data
110001		Reserved	
110010		Reserved	
110011	R	TgtDone	Response
11010x		Reserved	
110110		Reserved	
110111	R	AssignAck	Response
11100x		Reserved	
111010	PC	Broadcast	Command
111011		Reserved	
11110x		Reserved	
111110	-	Assign	Info
111111	•	Sync	Info

210

Fig. 20

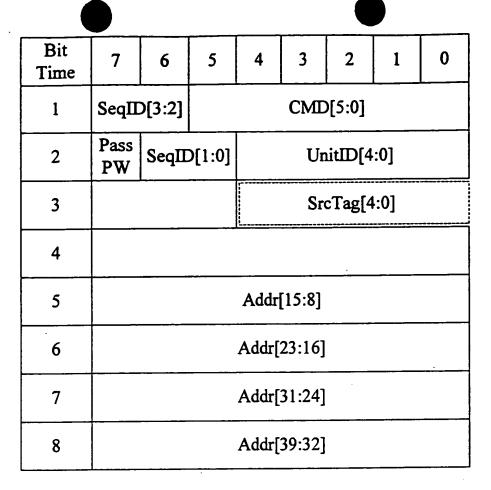


Fig. 21

Bit Time	7	6	5	4	3	2	1	0
1					CME)[5:0]		
2	Pass PW				Ur	nitID[4	:0]	
3				SrcTag[4:0]				
4								

Fig. 22

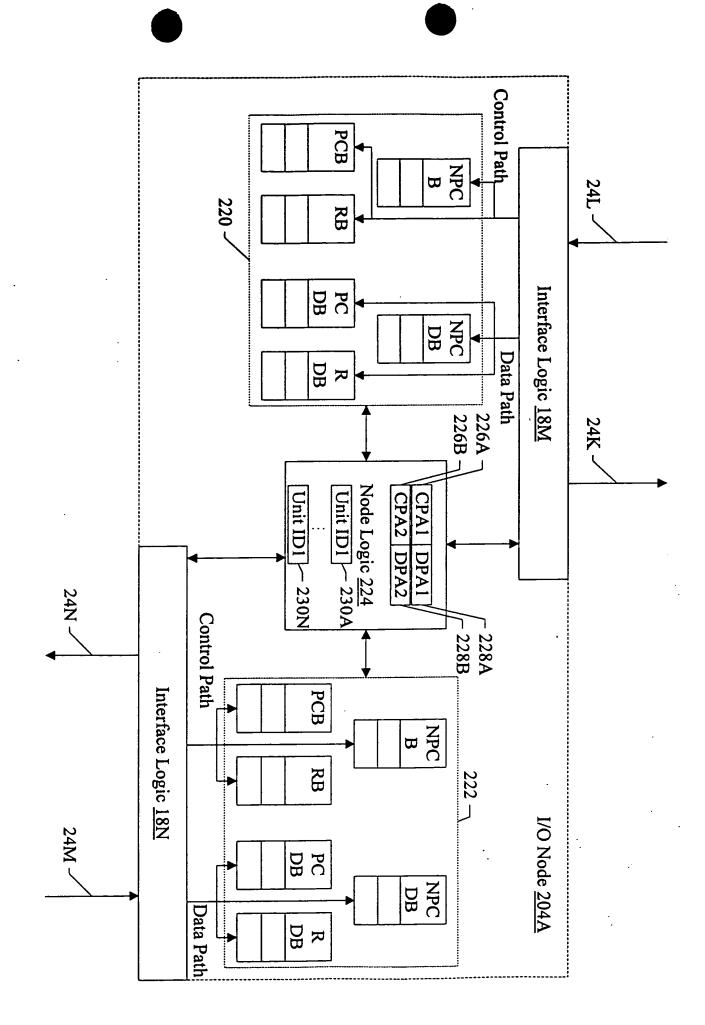


Fig. 23

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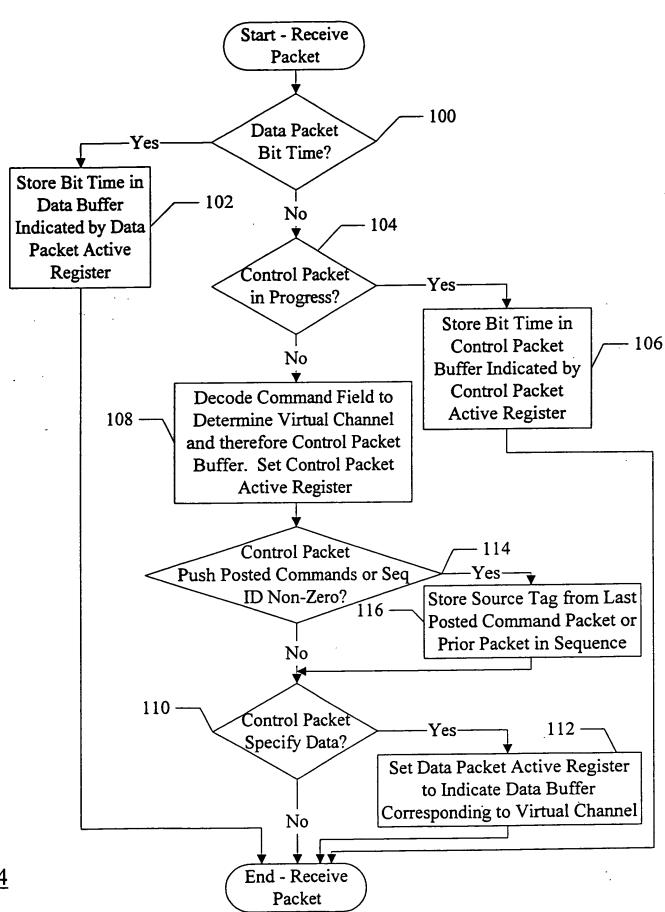


Fig. 24

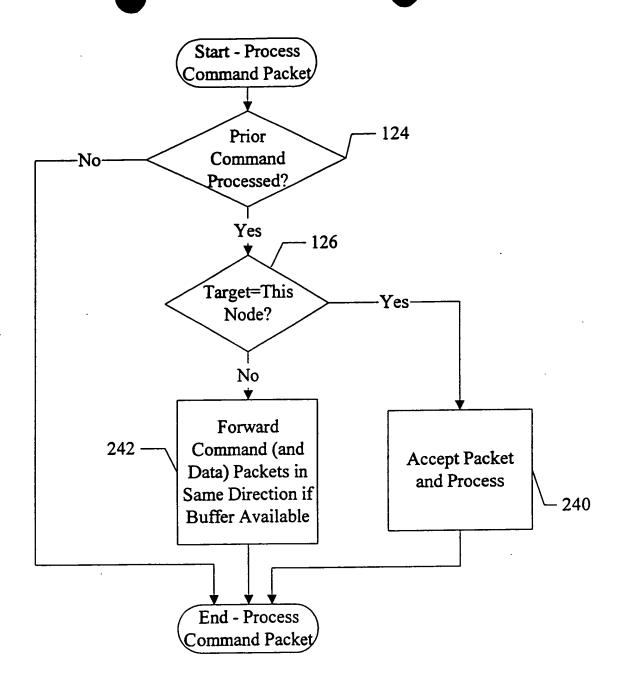


Fig. 25

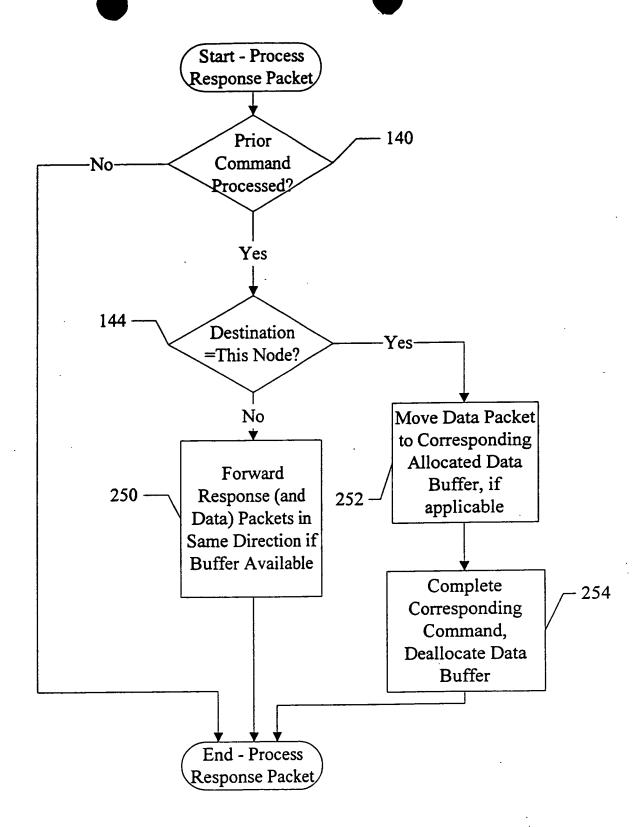


Fig. 26

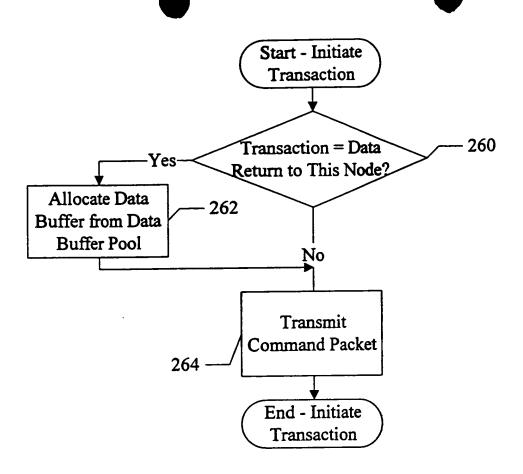


Fig. 27

	First Command (CMD ₁)	Second Command (CMD ₂)	Wait Requirements		
	Memory Write	Memory Write	 CMD₂ waits for TgtStart₁ SrcDone₂ waits for TgtDone₁ TgtDone₂ on Noncoherent Link waits for TgtDone₁ on Coherent Link 		
	Memory Write	Memory Read	 CMD₂ waits for TgtStart₁ RdResponse₂ on Noncoherent Link waits for TgtDone₁ on Coherent Link 		
74	Memory Read	Any Memory	CMD ₂ waits for TgtStart ₁		
	Memory Write	I/O or Interrupt	CMD ₂ waits for TgtDone ₁		
	Memory Read	Any I/O	CMD ₂ waits for TgtStart ₁		
	Memory Write	Flush	TgtDone ₂ on the Noncoherenct Link waits for TgtDone ₁ on the Coherent Link		
	Memory Write	Response	Response ₂ waits for TgtDone ₁		
	Memory Read	Response	Response ₂ waits for TgtStart ₁		
	Any I/O	Any Memory, any I/O, or Interrupt	CMD ₂ waits for TgtStart ₁		
	Any I/O	Flush	TgtDone ₂ on the Noncoherenct Link waits for TgtStart ₁ on the Coherent Link		
	Any I/O	Response	Response ₂ waits for TgtStart ₁		
	Interrupt Broadcast, Low Priority	Interrupt Broadcast	CMD ₂ waits for RdResponse ₁		
	SysMgt Write	Response	Response ₂ waits for TgtDone ₁		